

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESERVE

MILITARY CONSTRUCTION PROGRAM

FY 1998/1999 BIENNIAL BUDGET ESTIMATES



19970304 003

FY 1998

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FEBRUARY 1997

# ARMY Budget Documents

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Department of the Army  
Military Construction, Army Reserve - FY 1998  
Index of Locations  
(Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth Amount</u>	<u>Approp Amount</u>	DD Form 1391 Page <u>No.</u>
INSIDE THE UNITED STATES				
California	Sacramento			
	USAR Center/Organizational Maintenance Shop/Area Maintenance SupportActivity	20,972	13,072	II-3
	Subtotal	20,972	13,072	
Wisconsin	Fort McCoy			
	Army Reserve Regional Training Center, Phase II	14,856	14,856	II-7
	Combat Pistol Range	1,500	1,500	II-11
	Electric Power to Ranges	2,611	2,611	II-15
	Modified Record Fire Range	<u>1,973</u>	<u>1,973</u>	II-19
	Subtotal	20,940	20,940	
	Subtotal Major Construction	41,912	34,012	
Support	Unspecified Minor Construction Planning and Design	0 <u>5,100</u>	0 <u>5,100</u>	NA II-21
	Grand Total Authorization/TOA	47,012	39,112	

Department of the Army  
Military Construction, Army Reserve - FY 1998  
Index of Locations  
Air and Water Pollution Abatement  
(Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth/ Approp Amount</u>	DD Form 1391 Page <u>No.</u>
None			

Department of the Army  
Military Construction, Army Reserve - FY 1998  
Index of Locations  
Energy Conservation Investment Program  
(Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth/ Approp Amount</u>	DD Form 1391 Page <u>No.</u>
None			

Department of the Army  
 Military Construction, Army Reserve - FY 1998  
 New Mission/Current Mission Listing  
 (Dollars in Thousands)

<u>Location</u>	<u>Project</u>	<u>Cost</u>	<u>New/ Current</u>
Sacramento, CA	USAR Center/Organizational Maintenance Shop	20,972	C
Fort McCoy, WI	Army Reserve Regional Training Center, Phase II	14,856	C
	Combat Pistol Range	1,500	C
	Electric Power to Ranges	2,611	C
	Modified Record Fire Range	1,973	C
	Total New Mission	0	
	Total Current Mission	41,912	
	Subtotal Major Construction	41,912	
Various Locations	Unspecified Minor Construction	0	NA
	Planning and Design	<u>5,100</u>	NA
	Total	47,012	

SECTION I



DEPARTMENT OF THE ARMY  
JUSTIFICATION OF ESTIMATES FY 1998

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 1803 of Title 10, United States Code and military construction Authorization Acts, (\$55,543,000) \$47,012,000 to remain available until September 30, (2001) 2002.

Mil. Con., Army Reserve  
Program and Financing (in Thousands of dollars)

FEB 97

Identification code	21-2086-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:					
Direct program:					
00.0101	Major construction	59,434	50,294	41,912	58,640
00.0201	Minor construction	1,700			1,500
00.0301	Planning	3,694	5,249	5,100	6,000
00.9101	Total direct program	64,828	55,543	47,012	66,140
10.0001	Total	64,828	55,543	47,012	66,140
Financing:					
17.0001	Recovery of prior year obligations				
21.4001	Unobligated balance available, start of year:				
21.4002	Unobligated balance available, start of year(-)		-7,900	-7,900	
21.4009	For completion of prior year budget plans				
24.4001	Reprogramming from/to prior year budget plans	-3,916			
24.4002	Unobligated balance available, end of year:				
25.0001	Unobligated balance available, end of year	7,900	7,900		
40.0001	For completion of prior year budget plans				
40.0001	Unobligated balance expiring	3,916			
40.0001	Budget authority (Appropriation)	72,728	55,543	39,112	66,140
Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)				

Program and Financing (in Thousands of dollars)

FEB 97

Obligations

Identification code	21-2086-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:					
Direct program:					
00.0101	Major construction	86,872	67,757	42,492	61,271
00.0201	Minor construction	2,885	1,780		1,200
00.0301	Planning	9,915	6,454	4,447	5,524
00.9101	Total direct program	99,672	75,991	46,939	67,995
10.0001	Total	99,672	75,991	46,939	67,995
Financing:					
17.0001	Recovery of prior year obligations	-2,545			
21.4001	Unobligated balance available, start of year:				
21.4002	Unobligated balance available, start of year(-)		-7,900	-7,900	
21.4009	For completion of prior year budget plans	-84,988	-48,773	-28,325	-28,398
	Reprogramming from/to prior year budget plans				
24.4001	Unobligated balance available, end of year:	7,900	7,900		
24.4002	Unobligated balance available, end of year	48,773	28,325	28,398	26,543
25.0001	For completion of prior year budget plans	3,916			
	Unobligated balance expiring				
40.0001	Budget authority (Appropriation)	72,728	55,543	39,112	66,140
Relation of obligations to outlays:					
71.0001	Obligations incurred	99,672	75,991	46,939	67,995
72.4001	Obligated balance, start of year	125,708	117,824	111,827	92,618
74.4001	Obligated balance, end of year	-117,824	-111,827	-92,618	-100,929
77.0001	Adjustments in expired accounts (net)	494			
78.0001	Adjustments in unexpired accounts	-2,545			
90.0001	Outlays (net)	105,505	81,988	66,148	59,684

Mil. Con., Army Reserve  
Object Classification (in Thousands of dollars)

FEB 97

Identification code	21-2086-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Direct obligations:					
121.001	Travel and transportation of persons	60	45	34	38
123.101	Rental payments to GSA	23	17	13	14
124.001	Printing and reproduction	16	12	9	10
125.201	Other services with the private sector	11,451	8,656	6,407	7,171
126.001	Supplies and materials	5	3	3	3
132.001	Land and structures	88,117	67,258	40,473	60,759
199.001	Total Direct obligations	99,672	75,991	46,939	67,995
999.901	Total obligations	99,672	75,991	46,939	67,995

MILITARY CONSTRUCTION, ARMY RESERVE  
FY 1998

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short term adverse degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

## SPECIAL PROGRAM CONSIDERATIONS

(continued)

### Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

### Reserve Potential

The Reserve potential to meet and maintain authorized strengths of all Reserve flying/nonflying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having Reserve flying/nonflying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those Reserve units.

### Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

### Use of Excess Schools and Other Buildings

Considerations were made to utilize available commercial or academic buildings but none were suitable except as identified by specific projects in this request.

### Placement of Reserve Component Units in Local Communities

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7.

It has been determined, in coordination with the other Military Departments having Reserve units in the area, that the number of Reserve components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

## SPECIAL PROGRAM CONSIDERATIONS

(continued)

### Facility Planning and Design Guide

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

### Congressionally Directed Projects

No projects were directed by any congressional committee for inclusion in the FY 1998 budget.

### Congressional Reporting Requirements

#### Maintenance and Repair of Real Property

The following information is in response to the Senate Appropriations Committee requirement contained on page 24 (Non-MILCON Construction Activities) of the Report #100-200 and page 1006 (Non-MILCON Construction activities), Senate and House Conference Report #100-498.

<u>Appropriation</u>	<u>(\$000)</u>
Operation and Maintenance, Army Reserve	
- Maintenance and Repair	79.5
- Minor Construction	5.8

#### Battle Projection Center, Fort Dix, NJ

The following information is in response to the House National Security Committee requirement contained on page 407 of the Report #104-563. The subject project currently is outside the Army Reserve's Future Years Defense Plan. Per House Appropriations Conference Report 103-624, page 10, the subject project is intended to be sited at the Kilmer USAR Center, Edison, NJ.

#### Planning and Design Activities, FY 1996

The following information is in response to the House National Security Committee requirement contained on page 407 of the Report #104-563. User requirements for the Regional Training Site, Intelligence (RTS-I) are being compiled so that design may be initiated.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Armed Forces Reserve Center, Manchester, NH

The following information is in response to the Senate Appropriations Committee requirement contained on page 20 of the Report #104-287. The project at Manchester, NH, was awarded and is under construction.

Planning and Design, Guard and Reserve Forces Facilities

The following information is in response to the the House National Security Committee requirement contained on page 383 of the Report #104-267. User requirements for the fiscal year 2003 project at Oakdale, PA, are being compiled and validated so that design may be initiated at a future date using planning and design funds.



SECTION II

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>		2. DATE Feb 97
3. INSTALLATION AND LOCATION USAR Center, Sacramento, CA		4. AREA CONSTR COST INDEX 1.12	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USAF, Mather AFB, Sacramento, CA - 11 km USAR Center, Sacramento, CA - 11 km ASAF, McClellan AFB, Sacramento, CA - 16 km			
7. PROJECTS REQUESTED IN THIS PROGRAM			
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>
			<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>
171-40	USARC/OMS/AMSA	10,742 m2	13,072    03/95    09/97
			*
* NOTE: Appropriation Request = \$13,072 Authorization Request = \$20,972 (Total Project Cost)			
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			
Facilities identified in Item 6 have been examined by the			<u>12 Mar 96</u> (Date)
Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.			
9. LAND ACQUISITION REQUIRED None			<u>0</u> (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS None			

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97																															
3. INSTALLATION AND LOCATION  USAR Center, Sacramento, CA																																	
11. PERSONNEL STRENGTH AS OF 07 Jan 96																																	
	<table style="margin: auto;"> <tr> <th></th> <th colspan="3">PERMANENT</th> <th colspan="3">GUARD/RESERVE</th> </tr> <tr> <th></th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">50</td> <td style="text-align: center;">8</td> <td style="text-align: center;">29</td> <td style="text-align: center;">13</td> <td style="text-align: center;">1115</td> <td style="text-align: center;">161</td> <td style="text-align: center;">954</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">50</td> <td style="text-align: center;">8</td> <td style="text-align: center;">29</td> <td style="text-align: center;">13</td> <td style="text-align: center;">1114</td> <td style="text-align: center;">121</td> <td style="text-align: center;">993</td> </tr> </table>		PERMANENT			GUARD/RESERVE				TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	AUTHORIZE	50	8	29	13	1115	161	954	ACTUAL	50	8	29	13	1114	121	993	
	PERMANENT			GUARD/RESERVE																													
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED																										
AUTHORIZE	50	8	29	13	1115	161	954																										
ACTUAL	50	8	29	13	1114	121	993																										
12. RESERVE UNIT DATA																																	
ASGD/AUTH 100%		STRENGTH																															
UNIT DESIGNATION	AUTHORIZED	ACTUAL																															
304 PO CO	78	66																															
416 ENCOM SACTO TM	5	5																															
921 MD FH (HUB)	363	409																															
921 MD FH (HUB) HOLDING	63	81																															
104 BN 3 BDE	109	29																															
415 RGT 1 BN HQ	18	23																															
415 RGT 1 BN CO A/B/C/D/E	105	106																															
319 SC BN HHC	146	159																															
319 SC BN CO A	114	123																															
319 SC BN CO C	<u>114</u>	<u>113</u>																															
Totals	1,115	1114																															
13. MAJOR EQUIPMENT AND AIRCRAFT																																	
TYPE	AUTHORIZED	ACTUAL																															
Wheeled Vehicles	198	198																															
Trailers	<u>139</u>	<u>139</u>																															
Totals	337	337																															
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																																	
	(\$000)																																
Air Pollution	0																																
Water Pollution	0																																
Safety and Occupational Health	0																																

1. COMPONENT USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE Feb 97
3. INSTALLATION AND LOCATION USAR Center Sacramento, CA			4. PROJECT TITLE USARC/OMS/AMSA	
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 98-01519	8. PROJECT COST (\$000) 13,072	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>				<u>12687</u>
Training Buildings	m2	9225	1184	(10924)
Maintenance Building	m2	1045	1420	( 1484)
Unheated Storage	m2	472	591	( 279)
<u>SUPPORTING FACILITIES:</u>				<u>6156</u>
Site Preparation/Improvement	LS			( 2090)
Utilities/Telecommunications	LS			( 677)
Pre-wired Workstations	LS			( 1101)
Paving/Fencing/Lighting/Landscaping	LS			( 1531)
Demolition, Bldgs 651-650; 180; 794	LS			( 757)
TOTAL CONSTRUCTION COST				18843
Contingencies (5.0%)				942
Supervision and Administration (6.0%)				<u>1187</u>
TOTAL PROJECT COST (Amount of Authorization Request)				20972
LESS Directed use of prior-year unobligated funds				( 7900)
Amount of Appropriation Request				13072
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Construct a new U.S. Army Reserve Center (USARC), Organizational Maintenance Shop (OMS), and Area Maintenance Support Activity (AMSA). The USARC complex will consist of three buildings: administration, classroom/assembly, and storage. Permanent construction will include concrete foundations and floor slabs, structural steel frames with masonry veneer, and insulated standing seam metal roofs. Supporting work includes demolition of existing structures, extension of utilities to the project site, plus wash racks, parking areas, security fencing, and lighting. <u>Air Conditioning: 352 kW.</u>				
11. REQUIREMENT: 10,742 m2      Adequate: 0 m2      Substandard: 0 m2				
PROJECT: Construct a new U.S. Army Reserve Center, Organizational Maintenance Shop, and Area Maintenance Support Activity (USARC/OMS/AMSA). (Current Mission)				
REQUIREMENT: This project will provide 14 reserve units with essential and adequate space to conduct training, equipment maintenance, logistic support, and required administrative functions to enhance unit readiness. The facilities will include classrooms, library, learning center, multi-purpose assembly area, arms vault, and unit and individual equipment storage areas. The new five-bay maintenance facility will provide space for both reserve unit and full-time equipment maintenance training and/or support activities, and will include space for tool and parts storage, flammable material storage, and vehicle battery storage and charging. The new facility will provide secure parking for over 300 items of military equipment and will include vehicle wash racks. A site will also be provided for a Deployable Medical System (DEPMEDS), which provides minimum essential equipment for training (MEET) for the field hospital unit.				

1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  Feb 97	
3. INSTALLATION AND LOCATION USAR Center Sacramento, CA			
4. PROJECT TITLE USARC/OMS/AMSA		5. PROJECT NUMBER CAR 98-01519	
<p>CURRENT SITUATION: A Secretary of the Army decision, dated 23 Feb 93, established a 33.5 acre reserve enclave at the south end of Sacramento Army Depot (SAAD) for the express purpose of providing land for new USAR facilities. Units are currently occupying a variety of inadequate permanent and temporary facilities scattered across the new enclave as well as the adjacent depot property, which is scheduled to close under the 1990 Base Realignment and Closure Act (BRAC). Unit integrity is disrupted, and training time is lost because units are not consolidated in facilities configured to support efficient training and operations. Four units have vacated leased facilities in the region and are now located in overcrowded temporary buildings both on and adjacent to the enclave. AMSA #20 is dispersed in several smaller and inadequate facilities of the supported units, and the AMSA cannot centralize its functions and support efforts.</p> <p>IMPACT IF NOT PROVIDED: The excessive degree of unit dispersion, overcrowding, and use of inadequate and substandard facilities will continue to have a marked effect on the conduct of effective readiness training, and to impact negatively on maintenance training, services, and support.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started .....		03/95	
(b) Percent Complete as of Jan 97 .....		65	
(c) Date Design 35% Complete .....		06/96	
(d) Date Design Complete .....		09/97	
(2) Basis:			
(a) Standard or Definitive Design - No			
(b) Where Design Was Most Recently Used - N/A			
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)	
(a) Production of Plans and Specifications .....		(1200)	
(b) All Other Design Costs .....		( 478)	
(c) Total .....		(1678)	
(d) Contract .....		(1578)	
(e) In-House .....		( 100)	
(4) Construction Start .....		03/98	
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Kitchen Equipment	OMAR	1998	140
Wire Partitions	OMAR	1998	400
Metal Shelving	OMAR	1998	500
Dehumidifier	OMAR	1998	3
Furniture	OMAR	1999	550
Total			1593
POC: LTC Sugimura, 703-696-3992			

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI		4. AREA CONSTR COST INDEX 1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - N/A Full-Time Personnel - 7 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None		
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>
171-40	ARRTC (Phase II)	9,873 m2
	<u>COST (\$000)</u>	<u>DESIGN STATUS START      COMPLETE</u>
	14,856	09/91      06/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>12 Jul 96</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.		
9. LAND ACQUISITION REQUIRED None		<u>0</u> <u>(Number of Acres)</u>
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
	Fiscal Year	Cost (\$000)
Combat Pistol Range	1998	1,500
Electric Power to Ranges	1998	2,611
Modified Record Fire Range	1998	1,973
Crash Rescue Station	1999	2,140
Machine Gun Range	1999	2,350
RPM Backlog (\$000): 9,659		

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97																								
3. INSTALLATION AND LOCATION  Fort McCoy, Sparta, WI																										
11. PERSONNEL STRENGTH AS OF N/A																										
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AUTHORIZE	_____	_____	_____	_____	_____	_____	_____																			
ACTUAL	_____	_____	_____	_____	_____	_____	_____																			
12. RESERVE UNIT DATA																										
UNIT DESIGNATION	ASGD/AUTH % N/A	STRENGTH																								
	AUTHORIZED	ACTUAL																								
<p>This project will provide transient quarters for up to 424 full-time student personnel attending resident courses in a temporary duty (TDY) status. Annual student load will average 8,500 per year.</p>																										
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
Not Applicable.																										
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
Air Pollution	0																									
Water Pollution	0																									
Safety and Occupational Health	0																									

1. COMPONENT USAR		FY 1998 MILITARY CONSTRUCTION PROJECT DATA		2. DATE Feb 97	
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI			4. PROJECT TITLE ARRTC (Phase II)		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 98-01939	8. PROJECT COST (\$000) 14,856		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITIES:</u>					
ARRTC Billeting Facility	m2	9873	1231	12155 (12155)	
<u>SUPPORTING FACILITIES:</u>					
Site Preparation/Improvements	LS			( 407)	
Demolition	LS			( 34)	
Concrete Surfaces	m2	1467	41	( 60)	
Asphalt Paving	m2	10804	31	( 332)	
Gravel Surfaces	m2	4924	7	( 36)	
Utilities	LS			( 270)	
Curbs; Gutters; Sidewalks	LS			( 54)	
TOTAL CONSTRUCTION COST				13348	
Contingencies (5.0%)				667	
Supervision and Administration (6.0%)				841	
TOTAL PROJECT COST				14856	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a three-story billeting facility to support the Army Reserve Readiness Training Center (ARRTC). Permanent construction will consist of concrete foundations and floor slabs, structural steel frame with masonry veneer and standing seam metal roof. Supporting construction includes parking and site utilities. Air Conditioning: 492 kW.					
11. REQUIREMENT: 9,873 m2 Adequate: 0 m2 Substandard: 0 m2					
PROJECT: Construct an Army Reserve Readiness Training Center (ARRTC) billeting facility. (Current Mission)					
REQUIREMENT: The mission of the ARRTC is to provide continuous, year-round training for the full-time military and civilian personnel who work in support of the Army Reserve mission. The ARRTC is the sole source of USAR-specific training for full-time personnel and has an annual student load of about 8,500 per year. This training mission generates a recurring and significant transient billeting requirement for personnel on temporary duty (TDY). This project will meet the requirement by providing a modern and adequate billeting facility. An equivalent amount (9,873 m2) of World War II wooden structures will be demolished as part of the project.					
CURRENT SITUATION: Students at the ARRTC are currently housed in sixteen World War II temporary wooden structures, modified to provide transient quarters. Efficient and comfortable heating and cooling of these buildings is not possible. These buildings are dispersed in the 1200, 1300, and 1400 blocks of the cantonment area and are isolated from the training facility by as much as one-half mile. The current available billeting does not meet projected student load requirements, resulting in deferred training since off-post quarters are not available.					
IMPACT IF NOT PROVIDED: Critical training for full-time military and					



1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  Feb 97																
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI																		
4. PROJECT TITLE ARRTC (Phase II)	5. PROJECT NUMBER CAR 98-01939																	
<p>civilian personnel of the Army Reserve will continue to be deferred due to inadequate billeting space at the ARRTC. Personnel will continue to be housed in inadequate and substandard World War II structures.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated Design Data:</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started ..... 09/91</p> <p>(b) Percent Complete as of Jan 97 ..... 100</p> <p>(c) Date Design 35% Complete ..... 05/92</p> <p>(d) Date Design Complete ..... 06/94</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - Yes</p> <p>(b) Where Design Was Most Recently Used - McConnell AFB</p> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <div style="margin-left: 20px;"> <p>(a) Production of Plans and Specifications ..... (716)</p> <p>(b) All Other Design Costs ..... (104)</p> <p>(c) Total ..... (820)</p> <p>(d) Contract ..... (687)</p> <p>(e) In-House ..... (133)</p> </div> <p>(4) Construction Start ..... 05/98</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated Or Requested</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>OMAR</td> <td>1998</td> <td style="text-align: right;">146</td> </tr> <tr> <td>Furniture</td> <td>OMAR</td> <td>1999</td> <td style="text-align: right;">1475</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td style="text-align: right;">1621</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	OMAR	1998	146	Furniture	OMAR	1999	1475	Total			1621
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>															
Collateral Equipment	OMAR	1998	146															
Furniture	OMAR	1999	1475															
Total			1621															
POC: LTC Lincoln, 703-696-3992																		

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI		4. AREA CONSTR COST INDEX 1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training (AT) Full-Time Personnel - 7 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None		
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>
<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u> <u>START</u>	<u>COMPLETE</u>
171-22	Combat Pistol Range	Lump Sum
1,500	01/96	09/97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>N/A</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.		
9. LAND ACQUISITION REQUIRED None		<u>0</u> <u>(Number of Acres)</u>
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
	Fiscal Year	Cost (\$000)
ARRTC (Phase II)	1998	14,856
Electric Power to Ranges	1998	2,611
Modified Record Fire Range	1998	1,973
Crash Rescue Station	1999	2,140
Machine Gun Range	1999	2,350
RPM Backlog (\$000): 9,659		

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97																							
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12. RESERVE UNIT DATA																									
UNIT DESIGNATION	ASGD/AUTH % N/A	STRENGTH																							
	<u>AUTHORIZED</u>	<u>ACTUAL</u>																							
<p>This project will provide a Combat Pistol Range for the installation. No specific reserve units are associated with the project.</p>																									
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
Not Applicable																									
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
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Air Pollution	0																								
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Safety and Occupational Health	0																								

1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE  Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI			4. PROJECT TITLE Combat Pistol Range	
5. PROGRAM ELEMENT  0505978A	6. CATEGORY CODE  171-22	7. PROJECT NUMBER  CAR 98-10513	8. PROJECT COST (\$000)  1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>				<u>1249</u>
Combat Pistol Range				(1249)
<u>SUPPORTING FACILITIES:</u>				<u>99</u>
Site Improvements/Demolition				( 45)
Electrical Service				( 48)
Range Information Systems				( 6)
TOTAL CONSTRUCTION COST				1348
Contingencies (5.0%)				67
Supervision and Administration (6.0%)				<u>85</u>
TOTAL PROJECT COST				1500
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a standard design combat pistol range to accommodate soldiers' weapons qualification requirements. The modern range will consist of fifteen (15) firing lanes, 105 targets, remote engagement target system (RETS), a control tower, ammunition breakdown shelter, administrative and maintenance building, covered food service area, latrines, and concurrent training areas. Air Conditioning: 3 kW.				
11. REQUIREMENT: (1) Range      Adequate: 0      Substandard: 0  PROJECT: Construct a new standard design combat pistol range. (Current Mission) REQUIREMENT: This project is required to provide a realistic and standard combat pistol range at Fort McCoy that meets training and qualification standards of Army Field Manual (FM) 23-25, FM 25-7, and FM 350-38. The new range will facilitate adequate weapons training and qualification for Reserve and Active Component personnel in accordance with Department of the Army (DA) standards. CURRENT SITUATION: Fort McCoy does not currently have a combat pistol range that conforms to existing Army standards. The present pistol ranges were constructed in the 1950s and are neither large enough nor configured and equipped properly to support modern training standards. IMPACT IF NOT PROVIDED: Fort McCoy will continue to have only inadequate and substandard combat pistol ranges, and approximately 18,000 Reserve and Active Component soldiers who must use these ranges annually will continue to be unable to train and qualify to current standards.				
12. SUPPLEMENTAL DATA:				

1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  Feb 97																
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI																		
4. PROJECT TITLE Combat Pistol Range	5. PROJECT NUMBER CAR 98-10513																	
<p>a. Estimated Design Data:</p> <p>(1) Status:</p> <p style="margin-left: 40px;">(a) Date Design Started ..... <u>01/96</u></p> <p style="margin-left: 40px;">(b) Percent Complete as of Jan 97 ..... <u>65</u></p> <p style="margin-left: 40px;">(c) Date Design 35% Complete ..... <u>09/96</u></p> <p style="margin-left: 40px;">(d) Date Design Complete ..... <u>09/97</u></p> <p>(2) Basis:</p> <p style="margin-left: 40px;">(a) Standard or Definitive Design - Yes</p> <p style="margin-left: 40px;">(b) Where Design Was Most Recently Used - DA-Wide</p> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications ..... <u>( 97)</u></p> <p style="margin-left: 40px;">(b) All Other Design Costs ..... <u>( 67)</u></p> <p style="margin-left: 40px;">(c) Total ..... <u>(164)</u></p> <p style="margin-left: 40px;">(d) Contract ..... <u>(155)</u></p> <p style="margin-left: 40px;">(e) In-House ..... <u>( 9)</u></p> <p>(4) Construction Start ..... <u>05/98</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated Or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Targets</td> <td>OPA</td> <td>1998</td> <td>339</td> </tr> <tr> <td>Information Systems</td> <td>OPA</td> <td>1998</td> <td><u>1</u></td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>340</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	Targets	OPA	1998	339	Information Systems	OPA	1998	<u>1</u>	Total			340
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>															
Targets	OPA	1998	339															
Information Systems	OPA	1998	<u>1</u>															
Total			340															
POC: LTC Lincoln, 703-696-3992																		

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97
3. INSTALLATION AND LOCATION  Fort McCoy, Sparta, WI		4. AREA CONSTR COST INDEX  1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training Full-Time Personnel - 7 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS  None		
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>
<u>COST (\$000)</u>	<u>DESIGN STATUS START</u>	<u>COMPLETE</u>
812-42	Electric Power to Ranges	Lump Sum
2,611	12/95	09/97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION  Facilities identified in Item 6 have been examined by the <u>N/A</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.		
9. LAND ACQUISITION REQUIRED  None		
0 <u>(Number of Acres)</u>		
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
	Fiscal Year	Cost (\$000)
ARRTC (Phase II)	1998	14,856
Combat Pistol Range	1998	1,500
Modified Record Fire Range	1998	1,973
Crash Rescue Station	1999	2,140
Machine Gun Range	1999	2,350
RPM Backlog (\$000): 9,659		

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97																								
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AUTHORIZE	_____	_____	_____	_____	_____	_____	_____																			
ACTUAL	_____	_____	_____	_____	_____	_____	_____																			
12. RESERVE UNIT DATA																										
UNIT DESIGNATION	ASGD/AUTH % N/A	STRENGTH																								
	AUTHORIZED	ACTUAL																								
<p>This project will provide for an upgrade to the electrical distribution system for the installation range complex. No specific reserve units are associated with the project.</p>																										
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
Not Applicable																										
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
Air Pollution	0																									
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Safety and Occupational Health	0																									

1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE  Feb 97
3. INSTALLATION AND LOCATION  Fort McCoy Sparta, WI			4. PROJECT TITLE  Electric Power To Ranges	
5. PROGRAM ELEMENT  0505978A	6. CATEGORY CODE  812-42	7. PROJECT NUMBER  CAR 98-10203	8. PROJECT COST (\$000)  2,611	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>				2282
Power Distribution System				(2282)
<u>SUPPORTING FACILITIES:</u>				64
Electrical Service Connections				( 34)
Site Improvements/Demolition				( 30)
TOTAL CONSTRUCTION COST				2346
Contingencies (5.0%)				117
Supervision and Administration (6.0%)				148
TOTAL PROJECT COST				2611
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new power distribution system to serve eight existing and three future ranges to operate range facilities and target mechanisms. Construction will include about 20 km of buried cable, 1 km of cable ducts (under certain ranges), substation, transformers, manholes, and power taps and connections at destinations. Air Conditioning: N/A.				
11. REQUIREMENT: (1) System      Adequate: 0      Substandard: 0  PROJECT: Construct an electrical power distribution system. (Current Mission) REQUIREMENT: This project is required to provide safe, reliable, and essential electrical service to various ranges at Fort McCoy in order to ensure 24-hour availability of electricity, to eliminate the need to issue, use, and maintain portable generators at major ranges. The project will include extending electrical power to the sites of three future ranges. CURRENT SITUATION: Over 100,000 soldiers train at Fort McCoy annually, and the installation's ranges are used extensively to support training and qualification on individual and crew-served weapons. Portable generators must be used at eight existing ranges (6A, 18, 21, 22, 31, 32, 33, & 34) to generate electricity to operate target mechanisms and other essential range facilities. The installation must hand receipt the required tactical generators from reserve units, maintain them, and keep them serviced during use. This practice is very burdensome on the installation and the owning reserve units, is an inefficient way to provide power to frequently used ranges, and presents significant safety hazards to the users in the forms of fires and electrocutions. IMPACT IF NOT PROVIDED: Fort McCoy will continue to use an inefficient				



1. COMPONENT  USAR	<b>FY 1998 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  Feb 97								
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI										
4. PROJECT TITLE Electric Power To Ranges	5. PROJECT NUMBER CAR 98-10203									
<p>and potentially hazardous system to provide electrical power to operate frequently used ranges. Units operating these ranges will continue to suffer losses of training time caused by generator failures and downtime.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated Design Data:</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started ..... <u>12/95</u></p> <p>(b) Percent Complete as of Jan 97 ..... <u>65</u></p> <p>(c) Date Design 35% Complete ..... <u>09/96</u></p> <p>(d) Date Design Complete ..... <u>09/97</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - No</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <div style="margin-left: 20px;"> <p>(a) Production of Plans and Specifications ..... <u>(130)</u></p> <p>(b) All Other Design Costs ..... <u>( 47)</u></p> <p>(c) Total ..... <u>(177)</u></p> <p>(d) Contract ..... <u>(167)</u></p> <p>(e) In-House ..... <u>( 10)</u></p> </div> <p>(4) Construction Start: ..... <u>05/98</u></p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="height: 100px; vertical-align: top;">None</td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	None			
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None										
POC: LTC Lincoln, 703-696-3992										

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97
3. INSTALLATION AND LOCATION  Fort McCoy, Sparta, WI		4. AREA CONSTR COST INDEX  1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training Full-Time Personnel - 7 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS  None		
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>
<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u> <u>START</u>	<u>COMPLETE</u>
171-22	Modified Record Fire Range	Lump Sum
1,973	01/96	09/97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>N/A</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.		
9. LAND ACQUISITION REQUIRED  None		<u>0</u> <u>(Number of Acres)</u>
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
	Fiscal Year	Cost (\$000)
ARRTC (Phase II)	1998	14,856
Combat Pistol Range	1998	1,500
Electric Power to Ranges	1998	2,611
Crash Rescue Station	1999	2,140
Machine Gun Range	1999	2,350
 RPM Backlog (\$000): 9,659		

1. COMPONENT  USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  Feb 97																								
3. INSTALLATION AND LOCATION  Fort McCoy, Sparta, WI																										
11. PERSONNEL STRENGTH AS OF N/A																										
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ACTUAL	_____	_____	_____	_____	_____	_____	_____																			
12. RESERVE UNIT DATA																										
UNIT DESIGNATION	ASGD/AUTH % N/A	STRENGTH																								
	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
This project will provide a Modified Record Fire Range for the installation. No specific reserve units are associated with the project.																										
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
Not Applicable																										
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
Air Pollution	0																									
Water Pollution	0																									
Safety and Occupational Health	0																									

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI			4. PROJECT TITLE Modified Record Fire Range	
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-22	7. PROJECT NUMBER CAR 98-10205	8. PROJECT COST (\$000) 1,973	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>				<u>1479</u>
Modified Record Fire Range	LS			(1479)
<u>SUPPORTING FACILITIES:</u>				<u>293</u>
Site Improvements	LS			( 227)
Electrical Service	LS			( 42)
Paving, Walks, Curbs, & Gutters	LS			( 24)
TOTAL CONSTRUCTION COST				1772
Contingencies (5.0%)				89
Supervision and Administration (6.0%)				<u>112</u>
TOTAL PROJECT COST				1973
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a modified record fire range for training and qualification firing of the M-16 rifle. Construction will include 16 firing lanes, 112 targets, control tower, ammunition breakdown building, operations/storage building, classroom, bleachers, covered food service area, latrines, range access roads, and other site improvements. <u>Air Conditioning: 4 kW.</u>				
11. REQUIREMENT: (1) Range Adequate: 0 Substandard: (1) Range  PROJECT: Construct a modified record fire range (M-16 Rifle). (Current Mission) REQUIREMENT: This project will provide for realistic rifle marksmanship training and qualification in accordance with Department of the Army (DA) standards. The range will incorporate modern remote engagement targeting system (RETS) equipment. CURRENT SITUATION: Over 100,000 soldiers train at Fort McCoy annually, and the installation's ranges are used extensively to support training and qualification on individual weapons. The existing record fire range for M-16 rifles is antiquated and inadequate to meet both the current training demand and training/qualification standards. Battlefield conditions cannot be simulated on the existing, outdated range. Manual scoring systems used on the old range are prone to error and bias and detract from the quality of training achieved by the RETS equipment. IMPACT IF NOT PROVIDED: Thousands of reserve and active component soldiers who use Fort McCoy annually will continue to have to use an outdated and antiquated record fire range that fails to provide rifle training and qualification to modern Army standards.				
12. SUPPLEMENTAL DATA:				

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POC: LTC Lincoln, 703-696-3992																																				

1. COMPONENT USAR		FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97	
3. INSTALLATION AND LOCATION Worldwide Unspecified				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 0505978A		6. CATEGORY CODE 171-40		7. PROJECT NUMBER N/A		8. PROJECT COST (\$000) 5,100
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
Planning and Design				LS		5,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION Prepare engineering plans, designs, drawings, and specifications required to execute the USAR military construction program.						
11. REQUIREMENT: To provide for design of military construction projects required to support the U.S. Army Reserve (USAR) mission.						
POC: LTC Roy Higgins, 703-696-3992						